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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Dec 17	The CA Lexicon available in the CAPLUS and CA files
NEWS	3	Feb 06	Engineering Information Encompass files have new names
NEWS	4	Feb 16	TOXLINE no longer being updated
NEWS	5	Apr 23	Search Derwent WPINDEX by chemical structure
NEWS	6	Apr 23	PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS	7	May 07	DGENE Reload
NEWS	8	Jun 20	Published patent applications (A1) are now in USPATFULL
NEWS	9	JUL 13	New SDI alert frequency now available in Derwent's DWPI and DPCI
NEWS	10	Aug 23	In-process records and more frequent updates now in MEDLINE
NEWS	11	Aug 23	PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
NEWS	12	Aug 23	Adis Newsletters (ADISNEWS) now available on STN
NEWS	13	Sep 17	IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH
NEWS EXPRESS			August 15 CURRENT WINDOWS VERSION IS V6.0c, CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP), AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:11:26 ON 19 SEP 2001

=> file medline, wpids, hcaplus, biosis, dgene, uspat

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

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SESSION

FILE 'MEDLINE' ENTERED AT 15:11:42 ON 19 SEP 2001

FILE 'WPIDS' ENTERED AT 15:11:42 ON 19 SEP 2001
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FILE 'HCAPLUS' ENTERED AT 15:11:42 ON 19 SEP 2001
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FILE 'DGENE' ENTERED AT 15:11:42 ON 19 SEP 2001
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FILE 'USPATFULL' ENTERED AT 15:11:42 ON 19 SEP 2001
CA INDEXING COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY (ACS)

=> s INGAP

L1 2232 INGAP

=> s l1 and DNA

L2 14 L1 AND DNA

=> s l2 and sequence

L3 12 L2 AND SEQUENCE

=> d l3 ti abs ibib tot

L3 ANSWER 1 OF 12 WPIDS COPYRIGHT 2001 DERWENT INFORMATION LTD

TI Mammalian islet neo genesis associated protein - isolated by stimulating mammalian pancreas by wrapping in cellophane, for treatment of diabetes, etc.

AN 1996-402318 [40] WPIDS

AB WO 9626215 A UPAB: 19961007

A preparation of mammalian **INGAP** (islet neogenesis associated protein) protein, substantially free of other proteins, is new. Also claimed are: (1) an isolated **DNA** molecule (I) encoding the **INGAP** protein; (2) a vector comprising (I); (3) a host cell, pref. a cos7, African Green Monkey kidney cell, comprising the vector of (2); (4) a nucleotide probe comprising at least 20 contiguous nucleotides of a mammalian **INGAP** gene; (5) an antibody preparation which is immunoreactive with a mammalian **INGAP** protein; (6) a hybridoma which produces the antibodies of (5); (7) a transgenic mammal which comprises (I); and (8) an antisense construct of a mammalian **INGAP** gene comprising a promoter, a terminator, and a nucleotide **sequence** consisting of (I) between the promoter and the terminator and being inverted w.r.t the promoter, whereby expression from the promoter produces a complementary mRNA.

USE - The **INGAP** protein may be administered to diabetic mammals, pref. where the mammal has (non-)insulin-dependent diabetes mellitus, to stimulate the growth of islet cells. The protein may also be used to enhance the life span and enhance the number of islet cells grown in culture. The **INGAP** protein may be used to treat islet cells of mammals to avoid apoptosis, and for treating a mammal receiving a transplant of islet cells (all claimed). The detection of mutations in

the

INGAP gene allows identification of mammals at risk of diabetes, as the mutation causes a structural abnormality in an **INGAP** protein or a regulatory defect leading to diminished or obliterated expression of the **INGAP** gene (claimed). The antisense construct of (8) may be used for treating nesidioblastosis (claimed). A mammal with pancreatic endocrine failure may be treated by contacting a preparation of

pancreatic duct cells comprising B cell progenitors isolated from a mammal afflicted with pancreatic endocrine failure with **INGAP** protein, and transplanting the treated pancreatic duct cells into the mammal (claimed). The **INGAP** protein may also be used in a claimed pharmaceutical composition for treating pancreatic insufficiency which stimulates pancreatic cells to grow and proliferate.

Dwg.0/4

ACCESSION NUMBER: 1996-402318 [40] WPIDS
 DOC. NO. NON-CPI: N1996-338940
 DOC. NO. CPI: C1996-126485
 TITLE: Mammalian islet neo genesis associated protein - isolated
 by stimulating mammalian pancreas by wrapping in cellophane, for treatment of diabetes, etc.
 DERWENT CLASS: A96 B04 D16 S03
 INVENTOR(S): DUGUID, W P; PITTENGER, G L; RAFAELOFF, R; ROSENBERG, L; VINIK, A I; PITTINGER, G L
 PATENT ASSIGNEE(S): (EVIR-N) EASTERN VIRGINIA MEDICAL SCHOOL; (UYMC-N) UNIV MCGILL
 COUNTRY COUNT: 69
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 9626215	A1	19960829	(199640)*	EN	50
RW: AT BE CH DE DK EA ES FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG					
W: AL AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG UZ VN					
AU 9649149	A	19960911	(199651)		
EP 815129	A1	19980107	(199806)	EN	
R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE					
US 5834590	A	19981110	(199901)		
US 5840531	A	19981124	(199903)		
JP 11500907	W	19990126	(199914)		45
AU 708499	B	19990805	(199943)		
MX 9706418	A1	19980701	(200012)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 9626215	A1	WO 1996-US1528	19960212
AU 9649149	A	AU 1996-49149	19960212
EP 815129	A1	EP 1996-905368	19960212
		WO 1996-US1528	19960212
US 5834590	A	US 1995-401530	19950222
US 5840531	A	US 1995-401530	19950222
	CIP of Provisional	US 1995-6271	19951111
		US 1996-709662	19960909
JP 11500907	W	JP 1996-525702	19960212
		WO 1996-US1528	19960212
AU 708499	B	AU 1996-49149	19960212
MX 9706418	A1	MX 1997-6418	19970822

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 9649149	A Based on	WO 9626215
EP 815129	A1 Based on	WO 9626215
JP 11500907	W Based on	WO 9626215
AU 708499	B Previous Publ. Based on	AU 9649149 WO 9626215

PRIORITY APPLN. INFO: US 1995-6271 19951107; US 1995-401530
19950222; US 1996-709662 19960909

L3 ANSWER 2 OF 12 HCAPLUS COPYRIGHT 2001 ACS

TI Identification of a novel Reg family gene, Reg III.delta., and mapping of all three types of Reg family gene in a 75 kilobase mouse genomic region

AB Regenerating gene (Reg), first isolated from a regenerating islet cDNA library, encodes a secretory protein with a growth stimulating effect on pancreatic .beta. cells that ameliorates the diabetes of 90% depancreatized rats and non-obese diabetic mice. Reg and Reg-related genes have been revealed to constitute a multigene family, the Reg

family, which consists of three subtypes (types I, II, III) based on the primary structures of the encoded proteins of the genes. We have isolated three types of mouse Reg family gene (Reg I, Reg II, Reg III.alpha., Reg III.beta. and Reg III.gamma.). In the present study, by Southern blot anal. of a mouse bacterial artificial chromosome clone contg. the five

Reg family genes in combination with PCR cloning of every interspace fragment between adjacent genes, the Reg family genes were mapped to a contiguous 75 kb region of the mouse genome according to the following order: 5'-Reg III.beta.-Reg III.alpha.-Reg II-Reg I-Reg III.gamma.-3'. In the process of ordering the genes, we sequenced the 6.8 kb interspace fragment between

Reg III.beta. and Reg III.alpha. and encountered a novel type III Reg gene, Reg III.delta.. This gene is divided into six exons spanning about 3 kb, and encodes a 175 amino acid protein with 40-52% identity with the other five mouse Reg (regenerating gene product) proteins. Reg III.delta.

was expressed predominantly in exocrine pancreas, but not in normal islets, hyperplastic islets, intestine or colon, whereas both Reg I and Reg II were expressed in hyperplastic islets and Reg III.alpha., Reg III.beta. and Reg III.gamma. were expressed strongly in the intestinal tract. Possible roles of Reg III.delta. and the widespread occurrence of the Reg III.delta. gene in mammalian genomes are discussed.

ACCESSION NUMBER: 2000:233796 HCAPLUS

DOCUMENT NUMBER: 133:172799

TITLE: Identification of a novel Reg family gene, Reg III.delta., and mapping of all three types of Reg family gene in a 75 kilobase mouse genomic region

AUTHOR(S): Abe, M.; Nata, K.; Akiyama, T.; Shervani, N. J.; Kobayashi, S.; Tomioka-Kumagai, T.; Ito, S.;

Takasawa, S.; Okamoto, H.

CORPORATE SOURCE: Department of Biochemistry, Tohoku University Graduate

SOURCE: School of Medicine, Aoba-ku, Sendai, Miyagi, Japan Gene (2000), 246(1-2), 111-122

CODEN: GENED6; ISSN: 0378-1119

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 28

REFERENCE(S): (1) Dusetti, N; Biochem J 1995, V307, P9 HCAPLUS

HCAPLUS

(2) Dusetti, N; J Biol Chem 1995, V270, P22417

HCAPLUS

3) Frigerio, J; Biochemistry 1 , V32, P9236

(4) Frigerio, J; Biochim Biophys Acta 1993, V1216, P329 HCAPLUS

(5) Gross, D; Endocrinology 1998, V139, P2369 HCAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 12 HCAPLUS COPYRIGHT 2001 ACS

TI Genes and products of REG gene family in diagnosis and treatment of chronic mucosal injury

AB The invention provides gene markers for chronic mucosal injury and ulcerative colitis. Expression products of the REG gene family can be used to detect the presence of chronic mucosal injury in a body sample of a human. The expression products of a gene represented by EST Hs.111244 can be used to detect ulcerative colitis in a body sample of a human. Further, these markers can be used to differentiate humans with chronic mucosal injury from humans with common acute inflammatory colon disorder, common non-inflammatory benign colon disorder, and healthy colons. The degree of injury to the colon from chronic mucosal injury can be detd.

and

the efficacy of therapy for chronic mucosal injury can be monitored. A method of screening compds. for anti-chronic mucosal injury and anti-ulcerative activity is also provided by these gene markers.

ACCESSION NUMBER: 2000:175976 HCAPLUS

DOCUMENT NUMBER: 132:217962

TITLE: Genes and products of REG gene family in diagnosis and

treatment of chronic mucosal injury

INVENTOR(S): Dieckgraefe, Brian K.

PATENT ASSIGNEE(S): Washington University, USA

SOURCE: PCT Int. Appl., 42 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000014283	A2	20000316	WO 1999-US20098	19990903
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 6228585	B1	20010508	US 1998-146969	19980904
AU 9958017	A1	20000327	AU 1999-58017	19990903
PRIORITY APPLN. INFO.:			US 1998-146969 A1	19980904
			WO 1999-US20098 W	19990903

L3 ANSWER 4 OF 12 HCAPLUS COPYRIGHT 2001 ACS

TI High level of recombinant expression of **INGAP** in Escherichia coli

AB Removal of the nucleotide **sequence** encoding the 26-residue signal peptide from the **INGAP** coding **sequence** allows bacteria to express substantial amts. of **INGAP** activity. A new **INGAP** cDNA was generated by PCR which excluded the 5' UTR region (16 nucleotides 5' to the initiation codon) and the signal peptide (78

nucleotides) and 2 new restriction enzyme recognition sites created, enabling the insertion of the new construct into a new pQE-31 expression vector. The ligated construct is transformed into 10F' competent cells of Escherichia coli, pos. clones identified and the DNA isolated, and the DNA transformed into a different competent E. coli strain, M15(pREP4), and expression of the protein induced by IPTG.

A

His-tag allows isolation of the protein by Ni²⁺ agarose affinity purifn. The resulting **INGAP** protein is of the predicted mol. size of **INGAP** monomer, reacts with the antibody to **INGAP** in a Western anal., and shares with **INGAP** the ability to induce ductal cell proliferation. Previous attempts have provided only low yields of **INGAP**, possibly because the signal **sequence** of **INGAP** is toxic to bacteria.

ACCESSION NUMBER: 1998:293609 HCAPLUS
DOCUMENT NUMBER: 128:318010
TITLE: High level of recombinant expression of **INGAP** in Escherichia coli
INVENTOR(S): Vinik, Aaron I.; Pittenger, Gary I.; Rafaeloff, Ronit;
Barlow, Scott W.
PATENT ASSIGNEE(S): Eastern Virginia Medical School of the Medical College
of Hampton Roads, USA
SOURCE: PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9818913	A1	19980507	WO 1997-US19415	19971030
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
AU 9750007	A1	19980522	AU 1997-50007	19971030
AU 727237	B2	20001207		
EP 1007647	A1	20000614	EP 1997-912942	19971030
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP 2001502916	T2	20010306	JP 1998-520665	19971030
PRIORITY APPLN. INFO.:			US 1996-741096 A	19961030
			WO 1997-US19415 W	19971030

L3 ANSWER 5 OF 12 HCAPLUS COPYRIGHT 2001 ACS

TI Cloning and sequencing of the pancreatic islet neogenesis associated protein (**INGAP**) gene and its expression in islet neogenesis in hamsters

AB Induction of islet neogenesis by cellophane wrapping (CW) reverses streptozotocin-induced (STZ) diabetes. Administration of Ilotropin, a protein ext. isolated from CW pancreata, causes recapitulation of normal islet ontogeny and reverses STZ diabetes, reducing mortality by 50%. We investigated the hypothesis that a novel gene encoding a constituent of Ilotropin was expressed in the hamster pancreas undergoing islet neogenesis. Islet neogenesis assocd. protein (**INGAP**) is a product of a novel gene expressed in regenerating hamster pancreas.

Northern blot anal. showed a strong single transcript of 850 bp at 1 and

d after CW that disappeared by the 6th day and was absent from untreated control pancreata. **INGAP** gene is expressed in acinar cells, but not in islets. Western blot anal. demonstrated the presence of **INGAP** in Iltropin but not in exts. from control pancreata. A synthetic pentadecapeptide, corresponding to a region unique to **INGAP**, stimulated a 2.4-fold increase in [3H]thymidine incorporation into hamster duct epithelium in primary culture and a rat pancreatic duct cell line but had no effect on a hamster insulinoma tumor cell line. A portion of human **INGAP** gene was cloned and appears to be highly homologous to the hamster gene. This data suggests that the **INGAP** gene is a novel pancreatic gene expressed during islet neogenesis whose protein product is a constituent of Iltropin and is capable of initiating duct cell proliferation, a prerequisite for islet neogenesis.

ACCESSION NUMBER: 1997:314132 HCAPLUS
DOCUMENT NUMBER: 127:76706
TITLE: Cloning and sequencing of the pancreatic islet neogenesis associated protein (**INGAP**) gene and its expression in islet neogenesis in hamsters
AUTHOR(S): Rafaeloff, Ronit; Pittenger, Gary L.; Barlow, Scott W.; Qin, Xiao F.; Yan, Bing; Rosenberg, Lawrence; Duguid, William P.; Vinik, Aaron
CORPORATE SOURCE: The Diabetes Institutes, Department of Internal Medicine, Eastern Virginia Medical School, Norfolk, VA, 23510, USA
SOURCE: J. Clin. Invest. (1997), 99(9), 2100-2109
CODEN: JCINAO; ISSN: 0021-9738
PUBLISHER: Rockefeller University Press
DOCUMENT TYPE: Journal
LANGUAGE: English

L3 ANSWER 6 OF 12 BIOSIS COPYRIGHT 2001 BIOSIS
TI Molecular cloning and tissue-specific expression of a new member of the regenerating protein family, islet neogenesis-associated protein-related protein.
AB Islet neogenesis-associated protein (**INGAP**) is a protein expressed during islet neogenesis. We have cloned a novel cDNA having a similar sequence to **INGAP** cDNA. The cDNA encodes 175 amino acids designated **INGAP**-related protein (**INGAPrP**). **INGAP** is expressed in cellophane-wrapped pancreas, but not in normal pancreas, whereas **INGAPrP** was abundantly expressed in normal pancreas.

ACCESSION NUMBER: 2000:60960 BIOSIS
DOCUMENT NUMBER: PREV200000060960
TITLE: Molecular cloning and tissue-specific expression of a new member of the regenerating protein family, islet neogenesis-associated protein-related protein.
AUTHOR(S): Sasahara, Kenji; Yamaoka, Takashi; Moritani, Maki; Yoshimoto, Katsuhiko; Kuroda, Yasuhiro; Itakura, Mitsuo
(1)
CORPORATE SOURCE: (1) Otsuka Department of Molecular Nutrition, School of Medicine, University of Tokushima, Tokushima, 770-8503 Japan
SOURCE: Biochimica et Biophysica Acta, (Jan. 3, 2000) Vol. 1500, No. 1, pp. 142-146.
ISSN: 0006-3002.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L3 ANSWER 7 OF 12 BIOSIS COPYRIGHT 2001 BIOSIS
TI **INGAP** protein involved in pancreatic islet neogenesis.

ACCESSION NUMBER: 1999:71009 BIOSIS
 DOCUMENT NUMBER: PRE199900071009
 TITLE: IN protein involved in pancreatic
 neogenesis.
 AUTHOR(S): Vinik, A. I.; Pittenger, G. L.; Rafaeloff, R.; Rosenberg,
 L.; Duguid, W. P.
 CORPORATE SOURCE: Norfolk, Va. USA
 ASSIGNEE: EASTERN VIRGINIA MEDICAL SCHOOL OF THE MEDICINE
 COLLEGE OF HAMPTON ROADS; MOGILL UNIVERSITY
 PATENT INFORMATION: US 5840531 Nov. 24, 1998
 SOURCE: Official Gazette of the United States Patent and Trademark
 Office Patents, (Nov. 24, 1998) Vol. 121, No. 4, pp.
 3963.
 ISSN: 0098-1133.
 DOCUMENT TYPE: Patent
 LANGUAGE: English

L3 ANSWER 8 OF 12 USPATFULL

TI Gene markers for chronic mucosal injury

AB The invention provides gene markers for chronic mucosal injury and
 ulcerative colitis. Expression products of the REG gene family can be
 used to detect the presence of chronic mucosal injury in a body sample
 of a human. The expression products of a gene represented by a

Hs.111244

polynucleotide can be used to detect ulcerative colitis in a body
 sample

of a human. Further, these markers can be used to differentiate humans
 with chronic mucosal injury from humans with common acute inflammatory
 colon disorder, common non-inflammatory benign colon disorder, and
 healthy colons. The degree of injury to the colon from chronic mucosal
 injury can be determined and the efficacy of therapy for chronic
 mucosal

injury can be monitored. A method of screening compounds for
 anti-chronic mucosal injury and anti-ulcerative activity is also
 provided by these gene markers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:67396 USPATFULL
 TITLE: Gene markers for chronic mucosal injury
 INVENTOR(S): Dieckgraefe, Brian K., St. Louis, MO, United States
 PATENT ASSIGNEE(S): Washington University, St. Louis, MO, United States
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6228585	B1	20010508
APPLICATION INFO.:	US 1998-146969		19980904 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Arthur, Lisa B.		
LEGAL REPRESENTATIVE:	Banner & Witcoff LTD		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	531		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 9 OF 12 USPATFULL

TI Sequencing near infrared and infrared fluorescence labeled DNA
 for detecting using laser diodes and suitable labels therefor.

AB To **sequence DNA** automatically, **DNA** marked
 with far infrared, near infrared, or infrared fluorescent dyes are
 electrophoresed in a plurality of channels through a gel
 electrophoresis

slab or capillary tubes wherein the DNA samples are resolved in accordance with the size of DNA fragments in the gel electrophoresis slab or capillary tubes into fluorescently marked DNA bands. The separated samples are scanned photoelectrically with a laser diode and a sensor, wherein the laser scans with scanning light at a wavelength within the absorbance spectrum of said fluorescently marked DNA samples and light is sensed at the emission wavelength of the marked DNA.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2000:87570 USPATFULL
TITLE: Sequencing near infrared and infrared fluorescence labeled DNA for detecting using laser diodes and suitable labels therefor
INVENTOR(S): Patonay, Gabor, Conyers, GA, United States
Narayanan, Narasimhachari, Lincoln, NE, United States
Brumbaugh, John A., Lincoln, NE, United States
Middendorf, Lyle Richard, Lincoln, NE, United States
PATENT ASSIGNEE(S): Li-Cor, Inc., Lincoln, NE, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6086737		20000711
APPLICATION INFO.:	US 1995-500691		19950711 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-288461, filed on 10 Aug 1994, now patented, Pat. No. US 5534125		
which	is a division of Ser. No. US 1993-18806, filed on 17 Feb 1993, now patented, Pat. No. US 5360523 which is a continuation-in-part of Ser. No. US 1991-763230, filed on 20 Sep 1991, now patented, Pat. No. US 5230781		
which	is a continuation-in-part of Ser. No. US 1990-570503, filed on 21 Aug 1990, now patented, Pat. No. US		
5207880	which is a continuation-in-part of Ser. No. US 1987-78279, filed on 27 Jul 1987, now abandoned which is a division of Ser. No. US 1984-594676, filed on 29 Mar 1984, now patented, Pat. No. US 4729947 And a continuation-in-part of Ser. No. US 1994-204627, filed on 1 Mar 1994, now patented, Pat. No. US 5571388 which is a continuation-in-part of Ser. No. US 1992-860140, filed on 30 Mar 1992, now patented, Pat. No. US		
5366603	which is a division of Ser. No. US 763230 And a continuation-in-part of Ser. No. US 1994-275232, filed on 14 Jul 1994, now abandoned which is a division of Ser. No. US 1992-950734, filed on 24 Sep 1992, now patented, Pat. No. US 5346603 which is a continuation of Ser. No. US 1991-799712, filed on 26 Nov 1991, now abandoned which is a continuation of Ser. No. US 1990-632605, filed on 24 Dec 1990, now abandoned which is a continuation of Ser. No. US 1987-78279, filed on 27 Jul 1987, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Beisner, William H.		
ASSISTANT EXAMINER:	Starsiak, Jr., John S.		
LEGAL REPRESENTATIVE:	Carney, Vincent L.		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	9		
NUMBER OF DRAWINGS:	7 Drawing Figure(s); 6 Drawing Page(s)		
LINE COUNT:	932		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 10 OF 12 USPATFULL

TI **Ingap** protein involved in pancreatic islet neogenesis
AB Cellophane wrapping (CW) of hamster pancreas induces proliferation of duct epithelial cells followed by endocrine cell differentiation and islet neogenesis. Using the mRNA differential display technique a cDNA clone expressed in cellophane wrapped but not in control pancreata was identified. Using this cDNA as a probe, a cDNA library was screened and a gene not previously described was identified and named **INGAP**

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:147253 USPATFULL

TITLE: **Ingap** protein involved in pancreatic islet neogenesis

INVENTOR(S): Vinik, Aaron I., Norfolk, VA, United States
Pittenger, Gary L., Virginia Beach, VA, United States
Rafaeloff, Ronit, Chesapeake, VA, United States
Rosenberg, Lawrence, Montreal, Canada
Duguid, William P., Montreal, Canada

PATENT ASSIGNEE(S): McGill University, Canada (non-U.S. corporation)
Eastern Virginia Medical School of the Medicine

College

of Hampton Roads, Norfolk, VA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5840531		19981124
APPLICATION INFO.:	US 1996-709662		19960909 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-401530, filed on 22 Feb 1995		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Grimes, Eric		
ASSISTANT EXAMINER:	Longton, Enrique D.		
LEGAL REPRESENTATIVE:	Banner & Witocoff, Ltd		
NUMBER OF CLAIMS:	19		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	969		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 11 OF 12 USPATFULL

TI **Ingap** protein involved in pancreatic islet neogenesis
AB Cellophane wrapping (CW) of hamster pancreas induces proliferation of duct epithelial cells followed by endocrine cell differentiation and islet neogenesis. Using the mRNA differential display technique a cDNA clone expressed in cellophane wrapped but not in control pancreata was identified. Using this cDNA as a probe, a cDNA library was screened and a gene not previously described was identified and named **INGAP**

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:139021 USPATFULL

TITLE: **Ingap** protein involved in pancreatic islet neogenesis

INVENTOR(S): Vinik, Aaron I., Norfolk, VA, United States
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PATENT ASSIGNEE(S): Eastern Virginia Medical School of the Medical College

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	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5834590		19981110
APPLICATION INFO.:	US 1995-401530		19950222 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wax, Robert A.		
ASSISTANT EXAMINER:	Longton, Enrique D.		
LEGAL REPRESENTATIVE:	Banner & Witcoff, Ltd.		
NUMBER OF CLAIMS:	24		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	941		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 12 OF 12 USPATFULL

TI High level of expression of **ingap** in bacterial and euryotic cells

AB Removal of the nucleotide **sequence** encoding the signal peptide from the **INGAP** coding **sequence** allows cultured cells to express substantial amounts of **INGAP** activity. Previous attempts have provided only low yields of **INGAP**, possibly because the signal **sequence** of **INGAP** is toxic to the cells.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:108255 USPATFULL

TITLE: High level of expression of **ingap** in bacterial and euryotic cells

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	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5804421		19980908
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DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wax, Robert A.		
ASSISTANT EXAMINER:	Longton, Enrique D.		
LEGAL REPRESENTATIVE:	Banner & Witcoff, Ltd.		
NUMBER OF CLAIMS:	18		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	848		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.